What is claimed is:

1. An apparatus on a textile fibre processing machine for inspecting and evaluating textile fibre material, the apparatus comprising an opto-electronic system for scanning the textile fibre material, there being relative movement between the opto-electronic device and the fibre material in a working direction and the fibre material having a working width extending transversely to said working direction, the opto-electronic system comprising two or more imaging devices which are displaced from one another across the working width of the fibre material and which are in communication with a common image-evaluation device.

2. An apparatus according to claim 1, in which the opto-electronic system is stationarily arranged and, in use, the fibre material is moving along the working direction.

3. An apparatus according to claim 1, in which a multiplicity of imaging devices are provided laterally displaced from one another across the working width of the fibre material.

4. An apparatus according to claim 1, in which the imaging devices are offset from one another in the

working direction.

5. An apparatus according to claim 1, in which each imaging device comprises a camera module.

6. An apparatus according to claim 5, in which each camera module consists essentially of an objective and a sensor.

7. An apparatus according to claim 6, in which further camera components are located remotely from said module.

8. An apparatus according to claim 7, in which said further components comprise one or more components selected from printed circuit boards, synchronizers, power supplies and devices for reading out the individual pixels.

9. An apparatus according to claim 1, in which the imaging devices are connected to common evaluation device.

10. An apparatus according to claim 1, in which there are two or more intermediate evaluating devices, each intermediate evaluation device being in communication with a respective imaging device or group of imaging devices and the intermediate evaluating devices being

in communication with the common evaluation device.

11. An apparatus according to claim 1, which is suitable for maintaining a continuously moving body of sliver.

12. An apparatus according to claim 1, in which the entire width of the fibre material can be monitored simultaneously.

13. An apparatus according to claim 1, in which the opto-electronic device comprises movable opto-electronic sensors.

14. An apparatus on a spinning machine, such as a carding machine, wool carding machine, cleaning machine or the like for inspecting and evaluating textile fibre material, in which across the width of a textile machine a fixed opto-electronic system, for example a camera, is provided, which scans the moving fibre material and converts the measured values into electronic signals, the system being in communication with an image-evaluating device (with computer) which evaluates the raw data of the camera, characterised in that two or more cameras are provided side by side and, in relation to the width, the number of cameras increases as distance between the image-recognition unit and textile fibre material decreases.

15. A textile fibre processing machine comprising at least one apparatus according to claim 1.

16. A textile fibre processing machine according to claim 15, comprising first and second said apparatuses.

17. A textile fibre processing machine according to claim 16, in which said first apparatus is arranged to monitor fibre material entering the machine.

18. A textile fibre processing machine according to claim 16, in which said second apparatus is arranged to monitor fibre material emerging from said machine.

19. A textile fibre processing machine according to claim 16, in which data from said second apparatus can be compared with data from said first apparatus.

20. A textile fibre processing machine according to claim 19, in which adjustment of components of the machine can be effected in dependence upon said comparison.

21. A textile fibre processing machine according to claim 15, which is a carding machine.

22. A textile fibre processing machine according to

claim 21, in which the apparatus is arranged to monitor fibre that is being transported by a roller of the machine.

23. A textile fibre processing machine according to claim 21, which comprises a said apparatus arranged to examine a fibre web in an outlet region of the machine.

24. A textile fibre processing machine according to claim 15, which is an opener and cleaner.

25. A textile fibre processing machine according to claim 24, in which a said apparatus is arranged to monitor fibre that is being transported by a roller of the machine.

26. A textile fibre processing machine according to claim 15, in which a said apparatus is arranged to monitor waste separated from the fibre material.

27. An apparatus for inspecting and evaluating a fibre material found in textile technology, for example, fibre bales, tufts, fleece or the like, in which moving sensors scan the stationary fibre material and the measured values are converted into electrical signals, the sensors being in communication with an image-evaluating device (with computer), which

evaluates the raw data of the sensors, wherein three or more opto-electronic sensors, for example, cameras, are provided side by side and, in relation to the unit of width, the number of cameras increases as the distance between the objective and fibre sliver decreases.